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PATENT TRADEMARK OFFICE  
Atty. Docket: 91830/0480191

**IN THE UNITED STATES PATENT & TRADEMARK OFFICE**

Applicant: Frank P. Zemlan et al. : Paper No:  
Serial No. 09/035,708 : Group Art Unit: 1647  
Filed: March 5, 1998 : Examiner: Robert C. Hayes, Ph.D.  
For: METHOD OF DETECTING AXONAL DAMAGE, ASSOCIATED DISEASE  
STATES, AND RELATED MONOCLONAL ANTIBODIES AND PROTEIN  
CONTROLS THEREFOR

**AMENDMENT UNDER 37 C.F.R. § 1.116**

**RECEIVED**

Box AF  
The Assistant Commissioner For Patents  
Washington, D.C. 20231

APR 03 2002

TECH CENTER 1800/2800

Dear Sir:

In response to the Office Action, dated January 2, 2002, placing the above patent application under final rejection, please consider the following amendments and the accompanying remarks. In view of the comments made by the Examiner in the January 2 Office Action, these amendments should place the present application in form for allowance and therefore should be entered under 37 C.F.R. § 1.116.

Please amend the claims as follows:

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Claim 14 (four times amended). A method of determining axonal damage in the head of a patient suspected of having traumatic head injury, said method comprising the steps:

- (a) obtaining a sample of cerebrospinal fluid from said patient;
- (b) treating said sample of cerebrospinal fluid with at least one monoclonal antibody, said at least one monoclonal antibody having been raised against an axonally-derived tau protein of SEQ ID NO:1;
- (c) detecting the presence of said axonally-derived tau protein bound to said at least one monoclonal antibody; and